SATA II PCIe
Quick Installation Guide

Introducing the *SATA II PCIe*

The *SATA II PCIe* is an ultra high-speed dual channel Serial ATA Generation 2 controller for use in PCI Express-enabled system.

Features and Benefits

- Compliant with PCI Express Base Specification 1.0a
- Compliant with Serial 1.0a specification with support for full complement of SATA II optional features
- PCI Express 1-lane (x1) SATA II adapter works with PCI Express slots with different lane width
- Installs in any available PCI Express slot and support data transfer rates up to 3.0Gbps (300MBps)
- Spare enhanced low profile bracket is included to work in low profile chassis
- Supports Native Command Queuing (NCQ), Non-zero offsets NCQ, and Out-of-order date delivery NCQ
- Independent command fetch, scatter/gather, and command execution
- Supports hard disk hot-plugging

System Requirements

- PCI Express-enabled system with an available PCI Express slot
- Windows® 2000/XP (32-/64-bit)/Server 2003 (32-/64-bit)/Vista (32-/64-bit)

Package Contents

- SATA II PCIe adapter and spare enhanced low profile bracket
- SATA data cable and SATA 15-pin power cable
- Driver CD and quick installation guide

Board Layout

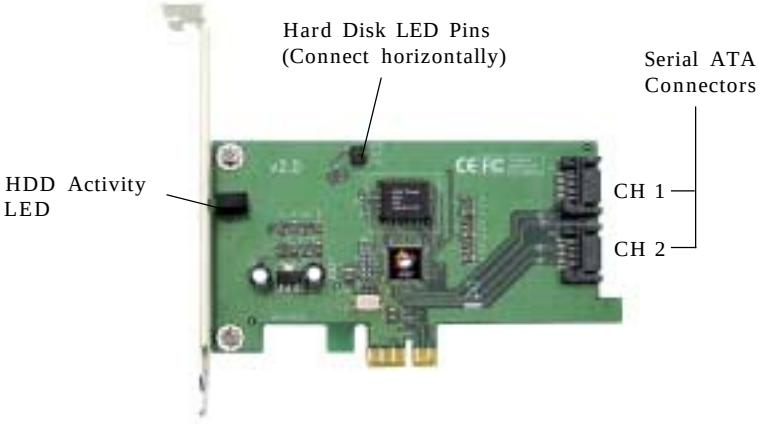

Figure 1. SATA II PCIe Board Layout

Hardware Installation

General instructions for installing the card are provided below, since the design of computer cases and motherboards vary. Refer to your computer's reference manual for further information, if needed.

Static Electricity Discharge may permanently damage your system. Discharge any static electricity build up in your body by touching your computer's case for a few seconds. Avoid any contact with internal parts and handle cards only by their external edges.

1. Turn OFF the power to your computer and any other connected peripheral devices.

2. Unplug the power cord from the back of the computer. Remove your computer cover.
3. Remove the slot bracket from an available PCIe slot.
4. To install the card, carefully align the card's bus connector with the selected PCIe slot on the motherboard. Push the board down firmly, but gently, until it is well seated.
5. Replace the slot bracket holding screw to secure the card.

Device Connection

The *SATA II PCIe* is a dual channel Serial ATA II controller that supports up to two Serial ATA hard disk drives. If you plan to use the second channel, you will need to purchase another Serial ATA cable.

1. Install hard disk drive(s) in chassis.
2. Connect the Serial ATA hard disk drive to the system power supply using the *Serial ATA power cable.*
3. Connect one end of the *Serial ATA cable* to the hard disk drive.

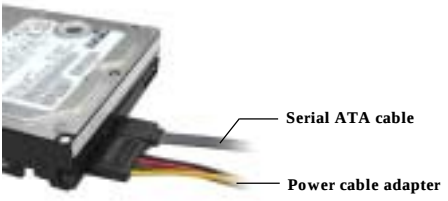

Figure 2. Hard disk drive connections

Note: For hard drives with both SATA power connector and legacy 5-pin connector, use either the SATA power connector or the legacy 5-pin power connector. Using both power connectors may damage the hard drive.

4. Attach the other end of the *Serial ATA cable* to the Serial ATA connector on the *SATA II PCIe*.

Figure 3. Connecting the Serial ATA data cable(s)

5. Follow the same instructions when connecting a second hard drive. Device connection is now complete.
6. Replace the computer cover and reconnect the power cord.

Driver Installation

This section provides information on how to install the *SATA II PCIe* drivers:

Windows 2000

New Windows 2000 Installation

A new installation of Windows 2000 requires a floppy disk for the driver installation. To make this floppy disk, copy the **contents** of the **Floppy** folder, found on the driver CD, onto a blank floppy disk then follow the directions below.

1. Install the board and follow Microsoft procedures to install Windows 2000 accordingly.
2. Restart your system when prompted during Windows' installation.

3. At the **Windows 2000 Setup** screen, press **F6** to install the driver.
4. Insert the driver diskette. Press **S**, then press **Enter**.
5. Select **Silicon Image SiI 3132... Controller for Windows 2000** and press **Enter**.
6. Press **Enter** to continue and follow on-screen instructions to complete the installation.

Existing Windows 2000 Installation

1. Install the board and boot up Windows 2000.
2. At the **Found New Hardware Wizard**, click **Next**.
3. Select **Search for a suitable driver for my device (recommended)** and click **Next**.
4. Insert the driver CD, check **CD-ROM drives**, uncheck the other boxes, and click **Next**. Click **Next** again to continue.
5. Click **Finish**
6. Restart Windows to complete the driver installation.

Windows XP/Server 2003

New Windows XP/Server 2003 Installation

A new installation of Windows XP / Server 2003 requires a floppy disk for the driver installation. To make this floppy disk, copy the **contents** of the **Floppy** folder, found on the driver CD, onto a blank floppy disk then follow the directions below.

1. Install the board and follow Microsoft procedures to install Windows accordingly.
2. Restart your system when prompted by Windows' installation.
3. At the **Windows Setup** screen, press **F6** to install the driver.

4. Insert the driver diskette. Press **S** then press **Enter**.
5. Select **Silicon Image Sil 3132... Controller** f**or Windows XP and Server 2003** and press **Enter**.
6. Press **Enter** to continue and follow on-screen instructions to complete Windows XP / 2003 installation.

Existing Windows XP/Server 2003 Installation

1. Install the board and boot up Windows
2. At the **Found New Hardware Wizard.**

   XP (w/SP1 or earlier)/Server 2003: continue to step #3

   XP (w/SP2 or later)/Server 2003 (w/ SP1 or later): select **No, not at this time**, then click **Next.**
3. At the **Found New Hardware Wizard**, select **Install the software automatically (Recommended)**, then click **Next**.
4. Click **Finish**
5. Restart Windows to complete the driver installation.

64-bit Windows XP/Server 2003

For New Windows 64-bit XP/Server 2003 Installation

A new installation of Windows XP / Server 2003 requires a floppy disk for the driver installation. To make this floppy disk, copy the contents of the **64bit** folder, found on the driver CD, onto a blank floppy disk then follow the directions below.

1. Install the board and follow Microsoft procedures to install Windows accordingly.
2. Restart your system when prompted during Windows' installation.
3. At the **Windows Setup** screen, press **F6** to install the driver.

4. Insert the driver diskette. Press **S** then press **Enter**.
5. Select **Silicon Image SiI 3132... Controller (64-bit Extended)** and press **Enter.**
6. Press **Enter** to continue and follow on-screen instructions to complete the installation.

For Existing 64-bit Windows XP/Server 2003 Installation

1. Install the board and boot up Windows.
2. At the **Found New Hardware Wizard:**

   XP (w/SP1 or earlier)/Server 2003: continue to step #3

   XP (w/SP2 or later)/Server 2003 (w/ SP1 or later): select **No, not at this time**, then click **Next**
3. Insert the driver CD, select **Install the software automatically (Recommended)**, then click **Next**.

   Note: Most systems will install the driver automatically after inserting driver CD
4. Click **Finish**, remove the driver CD and restart Windows to complete the installation.

To Verify Windows 2000/XP/2003 Installation

1. Right click **My Computer** and click **Manage**.
2. Select **Device Manager**.
3. Double click **SCSI and RAID Controllers**, then double click **Silicon Image SiI 3132... Controller** to display driver properties.
4. A message *This device is working properly* is displayed in the dialog box, the driver has been correctly installed.

32-bit Windows Vista™

For New Windows 32-bit Vista Installation

1. Install the board and follow Microsoft procedures to install Windows accordingly.
2. Restart your system when prompted during Windows' installation.
3. At **Where do you want to install Windows?**, click **Load Driver.**
4. Insert driver CD, then click **Browse**
5. Double click **CD Drive (D:),** (change D: to match CD-ROM)
6. Highlight **Floppy** folder, then click **OK**
7. Select **Silicon Image SiI 3132... Controller** (**D:\Floppy\SI3132.inf**), then click **Next**
8. Follow on-screen instructions to complete Windows Vista installation.

For Existing 32-bit and 64-bit Vista Installation

1. Install the board and boot up Windows.
2. At the **Found New Hardware Wizard**, insert the driver CD, select **Locate and install driver software (Recommended)**, then click **Continue.**
3. Click **Next**, then **Close**
4. Remove the driver CD and restart Windows to complete the installation.

64-bit Windows Vista

For New Windows 64-bit Vista Installation

1. Install the board and follow Microsoft procedures to install Windows accordingly.
2. Restart your system when prompted during Windows' installation.

3. At **Where do you want to install Windows?**, click **Load Driver.**
4. Insert driver CD, then click **Browse**
5. Double click **CD Drive (D:),** (change D: to match CD-ROM)
6. Double click **64bit** folder, highlight **AMD64**, then click **OK.**
7. Select **Silicon Image SiI 3132... Controller** (**D:\64bit\AMD64\SI3132.inf**), then click **Next**
8. Follow on-screen instructions to complete Windows Vista installation.

To Verify Windows Vista Installation

1. Right click **My Computer** and click **Manage**, then **Continue**
2. Select **Device Manager**.
3. Double click **Storage controllers**, then double click **Silicon Image SiI 3132... Controller** to display driver properties.
4. A message *This device is working properly* is displayed in the dialog box, the driver has been correctly installed.

Bios Configuration

The *SATA II PCIe* **BIOS** will appear everytime your system starts up. If the bios doesn't show, please try your controller in another PCIe slot. During this **(Post)** process, the bios will show up and indicate the devices attached to it.

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Technical Support and Warranty

QUESTIONS? SIIG's **Online Support** has answers! Simply visit our web site at ***www.siig.com*** and click **Support**. Our online support database is updated daily with new drivers and solutions. Answers to your questions could be just a few clicks away. You can also submit questions online and a technical support analysts will promptly respond.

SIIG offers a lifetime manufacturer warranty with this product. Please see our web site for more warranty details. If you encounter any problems with this product, please follow the procedures below.

A) If it is within the store's return policy period, please return the product to the store where you purchased from.

B) If your purchase has passed the store's return policy period, please follow these steps to have the product repaired or replaced.

Step 1: Submit your RMA request.

Go to **www.siig.com**, click **Support**, then **RMA** to submit a request to SIIG RMA. If the product is determined to be defective, an RMA number will be issued. SIIG RMA department can also be reached at (510) 413-5333.

Step 2: After obtaining an RMA number, ship the product.

- Properly pack the product for shipping. All software, cable(s) and any other accessories that came with the original package must be included.
- Clearly write your RMA number on the top of the returned package. SIIG will refuse to accept any shipping package, and will not be responsible for a product returned without an RMA number posted on the outside of the shipping carton.
- You are responsible for the cost of shipping. Ship the product to the following address:

  SIIG, Inc.
  6078 Stewart Avenue
  Fremont, CA 94538-3152, USA
  RMA#: _____

- SIIG will ship the repaired or replaced product via Ground in the U.S. and International Economy outside of the U.S. at no cost to the customer.

About SIIG, Inc.

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PRODUCT NAME
SATA II PCIe

FCC RULES: TESTED TO COMPLY WITH FCC PART 15, CLASS B OPERATING ENVIRONMENT: FOR HOME OR OFFICE USE

FCC COMPLIANCE STATEMENT:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

THE PARTY RESPONSIBLE FOR PRODUCT COMPLIANCE

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